

IN THE SPECIFICATION

Please amend the paragraphs of the specification as follows:

Please replace paragraph [1002] with the following amended paragraph:

[1002] A communication system may provide communication services that include wireless radio transmission of digitized speech, still or moving images, text messages, position location determination and other types of data. Such communication services may be provided to a type of devices that are mobile, such as a cellular phone, a portable computer, etc. A communication system through a collection of commonly known cell sites provide the communication services without interruption over a broad range of areas to a mobile station. Each cell site may include a base transceiver station and control units. One cell site may have more than one base transceiver stations. Each base transceiver station provides the radio frequency link over a limited geographical area. When a mobile station moves from a location to another, the mobile station may go through a handed handoff process that allows providing the communication services without interruption. The handoff may be accomplished through a soft hand off or a hard handoff or both. In soft handoff, the mobile station receives essentially identical traffic channel data from at least two base transceiver stations over a common carrier frequency. The base transceiver stations involved in the soft handoff process may be located in two different cell sites or the same cell site. In hard handoff, the resources in a current base station transceiver are released while new communication resources in a new base station are allocated to the user. In hard handoff, the carrier frequency of the current base station may be different than the carrier frequency of the new base station. As such, generally, hard handoff occurs between cell sites that are operating over two different frequencies. Inter-frequency hard handoff can also take place between two frequency assignments in the same cell or same sector.

Please replace paragraph [1005] with the following amended paragraph:

SUMMARY OF A PREFERRED EMBODIMENT

[1005] A method and apparatus in a communication system provide for concurrent processings of signals at the different frequencies. A received signal is down converted in a

A2
Concl-

RF/IF system to produce on-channel and out-of-channel received samples. The on-channel received samples are processed in a back-end portion to decode on-channel information. The out-of-channel received samples are processed to determine at least one of a link quality and global positioning system originated information in the back-end portion. The processings of the on-channel received samples and the out-of-channel received samples are performed essentially at the same time by the receiver back-end.

Please replace paragraph [1011] with the following amended paragraph:

[1011] Various embodiments of the invention may be incorporated in a wireless communication system operating in accordance with the code division multiple access (CDMA) technique which has been disclosed and described in various standards published by the Telecommunication Industry Association (TIA) and other standards organizations. Such standards include the TIA/EIA-95 standard, TIA/EIA-IS-2000 standard, IMT-2000 standard, UMTS and WCDMA standard, all incorporated by reference herein. A system for communication of data is also detailed in the "TIA/EIA/IS-856 cdma2000 High Rate Packet Data Air Interface Specification," incorporated by reference herein. A copy of the standards may be obtained by accessing the world wide web at the address: <http://www.3gpp2.org>, or by writing to TIA, Standards and Technology Department, 2500 Wilson Boulevard, Arlington, VA 22201, United States of America. The standard generally identified as UMTS standard, incorporated by reference herein, may be obtained by contacting 3GPP Support Office, 650 Route des Lucioles-Sophia Antipolis, Valbonne-France.
